

Project Title:	INTEGRATIVE GENETIC APPROACHES TO GENE-AIR POLLUTION INTERACTIONS IN ASTHMA
PI:	Gilliland, Frank D.
Institution:	University Of Southern California
Grant Number:	R01ES021801

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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A Subset of CD8αβ ⁺ Invariant NKT Cells in a Humanized Mouse Model.	Wen, Xiangshu; Kim, Seil; Xiong, Ran; Li, Michelle; Lawrenczyk, Agnieszka; Huang, Xue; Chen, Si-Yi; Rao, Ping; Besra, Gurdayal S; Dellabona, Paolo; Casorati, Giulia; Porcelli, Steven A; Akbari, Omid; Exley, Mark A; Yuan, Weiming	J Immunol (2015 Aug 15)	195 / 1459-69	PubMed Citation
Accurate and fast multiple-testing correction in eQTL studies.	Sul, Jae Hoon; Raj, Towfique; de Jong, Simone; de Bakker, Paul I W; Raychaudhuri, Soumya; Ophoff, Roel A; Stranger, Barbara E; Eskin, Eleazar; Han, Buhm	Am J Hum Genet (2015 Jun 04)	96 / 857-68	PubMed Citation
Choline metabolites: gene by diet interactions.	Smallwood, Tangi; Allayee, Hooman; Bennett, Brian J	Curr Opin Lipidol (2016 Feb)	27 / 33-9	PubMed Citation
Clinical and genetic association of serum paraoxonase and arylesterase activities with cardiovascular ...	Tang, W H Wilson; Hartiala, Jaana; Fan, Yiying; Wu, Yuping; Stewart, Alexandre F R; Erdmann, Jeanette; Kathiresan, Sekar; CARDIoGRAM Consortium; Roberts, Robert; McPherson, Ruth; Allayee, Hooman; Hazen, Stanley L	Arterioscler Thromb Vasc Biol (2012 Nov)	32 / 2803-12	PubMed Citation

Colocalization of GWAS and eQTL Signals Detects Target Genes.	Hormozdiari, Farhad; van de Bunt, Martijn; Segrè, Ayellet V; Li, Xiao; Joo, Jong Wha J; Bilow, Michael; Sul, Jae Hoon; Sankararaman, Sriram; Pasaniuc, Bogdan; Eskin, Eleazar	Am J Hum Genet (2016 Dec 01)	99 / 1245-1260	PubMed Cita
Comparative genome-wide association studies in mice and humans for trimethylamine N-oxide, a proather ...	Hartiala, Jaana; Bennett, Brian J; Tang, W H Wilson; Wang, Zeneng; Stewart, Alexandre F R; Roberts, Robert; McPherson, Ruth; Lusis, Aldons J; Hazen, Stanley L; Allayee, Hooman; CARDIoGRAM Consortium	Arterioscler Thromb Vasc Biol (2014 Jun)	34 / 1307-13	PubMed Cita
Detecting Gene-Environment Interactions for a Quantitative Trait in a Genome-Wide Association Study.	Zhang, Pingye; Lewinger, Juan Pablo; Conti, David; Morrison, John L; Gauderman, W James	Genet Epidemiol (2016 Jul)	40 / 394-403	PubMed Cita
Diminished antioxidant activity of high-density lipoprotein-associated proteins in chronic kidney di ...	Kennedy, David J; Tang, W H Wilson; Fan, Yiyi; Wu, Yuping; Mann, Shirley; Pepoy, Michael; Hazen, Stanley L	J Am Heart Assoc (2013 Apr)	2 / e000104	PubMed Cita
Discovering SNPs Regulating Human Gene Expression Using Allele Specific Expression from RNA-Seq Data ...	Kang, Eun Yong; Martin, Lisa; Mangul, Serghei; Isvilanonda, Warin; Zou, Jennifer; Ben-David, Eyal; Han, Buhm; Lusis, Aldons J; Shifman, Sagiv; Eskin, Eleazar	Genetics (2016 Oct 07)	/	PubMed Cita
Efficient multiple-trait association and estimation of genetic correlation using the matrix-variate ...	Furlotte, Nicholas A; Eskin, Eleazar	Genetics (2015 May)	200 / 59-68	PubMed Cita
Expanding role of gut microbiota in lipid metabolism.	Ghazalpour, Anatole; Cespedes, Ivana; Bennett, Brian J; Allayee, Hooman	Curr Opin Lipidol (2016 Apr)	27 / 141-7	PubMed Cita
Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 v ...	van der Valk, Ralf J P; Duijts, Liesbeth; Timpson, Nicolas J; Salam, Muhammad T; Standl, Marie; Curtin, John A; Genuneit, Jon; Kerhof, Marjan; Kreiner-Møller, Eskil;	J Allergy Clin Immunol (2014 Jul)	134 / 46-55	PubMed Cita

Genetic ancestry influences asthma susceptibility and lung function among Latinos.

Cáceres, Alejandro;
Gref, Anna; Liang,
Liming L; Taal, H Rob;
Bouzigon, Emmanuelle;
Demenais, Florence;
Nadif, Rachel; Ober,
Carole; Thompson,
Emma E; Estrada,
Karol; Hofman, Albert;
Uitterlinden, André G;
van Duijn, Cornélia;
Rivadeneira, Fernando;
Li, Xia; Eckel, Sandrah
P; Berhane, Kiros;
Gauderman, W James;
Granell, Raquel; Evans,
David M; St Pourcain,
Beate; McArdle,
Wendy; Kemp, John P;
Smith, George Davey;
Tiesler, Carla M T;
Flexeder, Claudia;
Simpson, Angela;
Murray, Clare S; Fuchs,
Oliver; Postma, Dirkje
S; Bønnelykke, Klaus;
Torrent, Maties;
Andersson, Martin;
Sleiman, Patrick;
Hakonarson, Hakon;
Cookson, William O;
Moffatt, Miriam F;
Paternoster, Lavinia;
Melén, Erik; Sunyer,
Jordi; Bisgaard, Hans;
Koppelman, Gerard H;
Ege, Markus; Custovic,
Adnan; Heinrich,
Joachim; Gilliland,
Frank D; Henderson,
Alexander J; Jaddoe,
Vincent W V; de
Jongste, Johan C; EArly
Genetics & Lifecourse
Epidemiology (EAGLE)
Consortium

Pino-Yanes, Maria;
Thakur, Neeta;
Gignoux, Christopher
R; Galanter, Joshua M;
Roth, Lindsey A; Eng,
Celeste; Nishimura,
Katherine K; Oh, Sam
S; Vora, Hita;
Huntsman, Scott;

J Allergy Clin
Immunol (2015
Jan)

135 / 228-35 PubMed Cita

Genome-wide and gene-centric analyses of circulating myeloperoxidase levels in the charge and care c ...

Nguyen, Elizabeth A;
Hu, Donglei; Drake,
Katherine A; Conti,
David V;
Moreno-Estrada,
Andres; Sandoval,
Karla; Winkler, Cheryl
A; Borrell, Luisa N;
Lurmann, Fred; Islam,
Talat S; Davis, Adam;
Farber, Harold J;
Meade, Kelley; Avila,
Pedro C; Serebriskiy,
Denise;
Bibbins-Domingo,
Kirsten; Lenoir,
Michael A; Ford, Jean
G;
Brigino-Buenaventura,
Emerita;
Rodriguez-Cintron,
William; Thyne,
Shannon M; Sen,
Saunak;
Rodriguez-Santana,
Jose R; Bustamante,
Carlos D; Williams, L
Keoki; Gilliland, Frank
D; Gauderman, W
James; Kumar, Rajesh;
Torgerson, Dara G;
Burchard, Esteban G
Reiner, Alexander P;
Hartiala, Jaana; Zeller,
Tanja; Bis, Joshua C;
Dupuis, Josée; Fornage,
Myriam; Baumert, Jens;
Kleber, Marcus E; Wild,
Philipp S; Baldus,
Stephan; Bielinski,
Suzette J; Fontes, João
D; Illig, Thomas;
Keating, Brendan J;
Lange, Leslie A; Ojeda,
Francisco;
Müller-Nurasyid,
Martina; Munzel,
Thomas F; Psaty, Bruce
M; Rice, Kenneth;
Rotter, Jerome I;
Schnabel, Renate B;
Tang, W H Wilson;
Thorand, Barbara;
Erdmann, Jeanette;
CARDIoGRAM

Hum Mol Genet 22 / 3381-93 PubMed Cita
(2013 Aug 15)

	Consortium; Jacobs Jr, David R; Wilson, James G; Koenig, Wolfgang; Tracy, Russell P; Blankenberg, Stefan; März, Winfried; Gross, Myron D; Benjamin, Emelia J; Hazen, Stanley L; Allayee, Hooman	Hartiala, Jaana A; Tang, W H Wilson; Wang, Zeneng; Crow, Amanda L; Stewart, Alexandre F R; Roberts, Robert; McPherson, Ruth; Erdmann, Jeanette; Willenborg, Christina; Hazen, Stanley L; Allayee, Hooman	Nat Commun (2016)	7 / 10558	PubMed Cita
Genome-wide association study and targeted metabolomics identifies sex-specific association of CPS1 ...	Lavinsky, Joel; Crow, Amanda L; Pan, Calvin; Wang, Juemei; Aaron, Ksenia A; Ho, Maria K; Li, Qingzhong; Salehide, Pehzman; Myint, Anthony; Monges-Hernandez, Maya; Eskin, Eleazar; Allayee, Hooman; Lusis, Aldons J; Friedman, Rick A	PLoS Genet (2015 Apr)	11 / e1005094	PubMed Cita	
Genome-wide association study identifies nox3 as a critical gene for susceptibility to noise-induced ...	Maazi, Hadi; Akbari, Omid	Oncotarget (2015 Sep 22)	6 / 24584-5	PubMed Cita	
ICOS regulates ILC2s in asthma.	Maazi, Hadi; Patel, Nisheel; Sankaranarayanan, Ishwarya; Suzuki, Yuzo; Rigas, Diamanda; Soroosh, Pejman; Freeman, Gordon J; Sharpe, Arlene H; Akbari, Omid	Immunity (2015 Mar 17)	42 / 538-51	PubMed Cita	
ICOS:ICOS-ligand interaction is required for type 2 innate lymphoid cell function, homeostasis, and ...	Hormozdiari, Farhad; Kang, Eun Yong; Bilow, Michael; Ben-David, Eyal; Vulpé, Chris; McLachlan, Stela; Lusis, Aldons J; Han, Buhm; Eskin, Eleazar	Am J Hum Genet (2016 Jul 07)	99 / 89-103	PubMed Cita	
Imputing Phenotypes for Genome-wide Association Studies.					

Lack of autophagy induces steroid-resistant airway inflammation.	Suzuki, Yuzo; Maazi, Hadi; Sankaranarayanan, Ishwarya; Lam, Jonathan; Khoo, Bryant; Soroosh, Pejman; Barbers, Richard G; James Ou, J-H; Jung, Jae U; Akbari, Omid	J Allergy Clin Immunol (2016 May)	137 / 1382-1389.e9	PubMed Cita
Lifetime prevalence of childhood eczema and the effect of indoor environmental factors: Analysis in ...	Kim, Hyo-Bin; Zhou, Hui; Kim, Jeong Hee; Habre, Rima; Bastain, Theresa M; Gilliland, Frank D	Allergy Asthma Proc (2016 Jan-Feb)	37 / 64-71	PubMed Cita
Multiple testing correction in linear mixed models.	Joo, Jong Wha J; Hormozdiari, Farhad; Han, Buhm; Eskin, Eleazar	Genome Biol (2016)	17 / 62	PubMed Cita
Nicotinic acetylcholine receptor agonist attenuates ILC2-dependent airway hyperreactivity.	Galle-Treger, Lauriane; Suzuki, Yuzo; Patel, Nisheel; Sankaranarayanan, Ishwarya; Aron, Jennifer L; Maazi, Hadi; Chen, Lin; Akbari, Omid	Nat Commun (2016 Oct 18)	7 / 13202	PubMed Cita
The Genetic Architecture of Hearing Impairment in Mice: Evidence for Frequency-Specific Genetic Dete ...	Crow, Amanda L; Ohmen, Jeffrey; Wang, Juemei; Lavinsky, Joel; Hartiala, Jaana; Li, Qingzhong; Li, Xin; Salehie, Pezhman; Eskin, Eleazar; Pan, Calvin; Lusis, Aldons J; Allayee, Hooman; Friedman, Rick A	G3 (Bethesda) (2015 Nov)	5 / 2329-39	PubMed Cita
The Genetic Architecture of Noise-Induced Hearing Loss: Evidence for a Gene-by-Environment Interacti ...	Lavinsky, Joel; Ge, Marshall; Crow, Amanda L; Pan, Calvin; Wang, Juemei; Salehi, Pezhman; Myint, Anthony; Eskin, Eleazar; Allayee, Hooman; Lusis, Aldons J; Friedman, Rick A	G3 (Bethesda) (2016 Oct 13)	6 / 3219-3228	PubMed Cita
The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice.	Zhou, Xiaoying; Crow, Amanda L; Hartiala, Jaana; Spindler, Tassja J; Ghazalpour, Anatole; Barsky, Lora W; Bennett, Brian J; Parks, Brian W; Eskin, Eleazar; Jain, Rajan;	Stem Cell Reports (2015 Jul 14)	5 / 125-38	PubMed Cita

	Epstein, Jonathan A; Lusis, Aldons J; Adams, Gregor B; Allayee, Hooman	Nat Genet (2015 47 / 1282-93	PubMed Cita 11)
Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure a ...			
Type 2 innate lymphoid cell suppression by regulatory T cells attenuates airway hyperreactivity and ...	Rigas, Diamanda; Lewis, Gavin; Aron, Jennifer L; Wang, Bowen; Banie, Homayon; Sankaranarayanan, Ishwarya; Galle-Treger, Lauriane; Maazi, Hadi; Lo, Richard; Freeman, Gordon J; Sharpe, Arlene H; Soroosh, Pejman; Akbari, Omid	J Allergy Clin / Immunol (2016 Oct 4)	PubMed Cita
Using genomic annotations increases statistical power to detect eGenes.	Duong, Dat; Zou, Jennifer; Hormozdiari, Farhad; Sul, Jae Hoon; Ernst, Jason; Han, Buhm; Eskin, Eleazar	Bioinformatics 32 / (2016 Jun 15) i156-i163	PubMed Cita